

CLAIMSWe Claim:

1. A compound selected from: 8-(4-methyl-1-piperazinyl)-*N*-[4-(4-morpholinyl)phenyl]-4-oxo-4*H*-chromene-2-carboxamide;
- 2-{1-[4-(2-Methoxy-phenyl)-piperazin-1-yl]-methanoyl}-8-(4-methyl-piperazin-1-yl)-chromen-4-one;
- 2-{1-[4-(1-Acetyl-2,3-dihydro-1*H*-indol-6-yl)-piperazin-1-yl]-methanoyl}-8-(4-methyl-piperazin-1-yl)-chromen-4-one;
- 2-Chloro-5-(4-{1-[8-(4-methyl-piperazin-1-yl)-4-oxo-4*H*-chromen-2-yl]-methanoyl}-piperazin-1-yl)-benzonitrile;
- 2-{1-[4-(4-Methoxy-phenyl)-piperazin-1-yl]-methanoyl}-8-(4-methyl-piperazin-1-yl)-chromen-4-one;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4*H*-chromene-2-carboxylic acid (5-furan-2-yl-1*H*-pyrazol-3-yl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4*H*-chromene-2-carboxylic acid (4-imidazol-1-yl-phenyl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4*H*-chromene-2-carboxylic acid (4-[1,2,3]thiadiazol-5-yl-phenyl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4*H*-chromene-2-carboxylic acid 4-[1,2,3]thiadiazol-5-yl-benzylamide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4*H*-chromene-2-carboxylic acid [4-(4-acetyl-piperazin-1-yl)-phenyl]-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4*H*-chromene-2-carboxylic acid [4-(4-methanesulfonyl-piperazin-1-yl)-phenyl]-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4*H*-chromene-2-carboxylic acid (2-methoxy-4-morpholin-4-yl-phenyl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4*H*-chromene-2-carboxylic acid (3-chloro-4-morpholin-4-yl-phenyl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4*H*-chromene-2-carboxylic acid (4-thiomorpholin-4-yl-phenyl)-amide;

a'
cont

- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (2,5-diethoxy-4-morpholin-4-yl-phenyl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-cyanomethyl-phenyl)-amide;
- 5 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (1H-indol-5-yl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(1-morpholin-4-yl-methanoyl)-phenyl]-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(2,6-dimethyl-morpholin-4-yl)-phenyl]-amide;
- 10 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-fluoro-phenoxy)-phenyl]-amide;
- 8-(4-Methyl-piperazin-1-yl)-2-(6-morpholin-4-yl-benzooxazol-2-yl)-chromen-4-one;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (2-hydroxy-4-morpholin-4-yl-phenyl)-amide;
- 15 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (5-ethoxy-benzothiazol-2-yl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-bromo-phenyl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid methyl-(4-morpholin-4-yl-phenyl)amide;
- 20 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-morpholin-4-yl-phenyl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-cyano-4-morpholin-4-yl-phenyl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-fluoro-4-morpholin-4-yl-phenyl)-amide;
- 25 4-[4-({1-[8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromen-2-yl]-methanoyl}-amino)-phenyl]-piperazine-1-carboxylic acid *tert*-butyl ester;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-piperazin-1-yl-phenyl)-amide;
- 30 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-morpholin-4-yl-phenyl)-amide;

- a*
Cont
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-methanesulfonyl-piperazin-1-yl)-phenyl]-amide;
- 6-Methoxy-8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-chloro-4-morpholin-4-yl-phenyl)-amide;
- 5 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-fluoro-4-morpholin-4-yl-phenyl)-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (2-methoxy-4-morpholin-4-yl-phenyl)-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-
- 10 thiomorpholin-4-yl-phenyl)-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(2,6-dimethyl-morpholin-4-yl)-phenyl]-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-morpholin-4-yl-phenyl)-amide;
- 15 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid {4-[4-(2-hydroxy-ethyl)-piperazin-1-yl]-phenyl}-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(1-morpholin-4-yl-methanoyl)-phenyl]-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-cyano-4-
- 20 morpholin-4-yl-phenyl)-amide;
- 4-[4-({1-[6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromen-2-yl]-methanoyl}-amino)-phenyl]-piperazine-1-carboxylic acid *tert*-butyl ester
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-piperazin-1-yl-phenyl)-amide;
- 25 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-propionyl-piperazin-1-yl)-phenyl]-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-ethane sulfonyl-piperazin-1-yl)-phenyl]-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-
- 30 dimethyl sulfamoyl-piperazin-1-yl)-phenyl]-amide;
- 4-[4-({1-[6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromen-2-yl]-methanoyl}-amino)-phenyl]-piperazine-1-carboxylic acid dimethylamide;

- Q1 cont*
- 4-[4-({1-[6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromen-2-yl]-methanoyl}-amino)-phenyl]-piperazine-1-carboxylic acid ethylamide;
- 4-[4-({1-[6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromen-2-yl]-methanoyl}-amino)-phenyl]-piperazine-1-carboxylic acid cyclohexylamide;
- 5 4-[4-({1-[6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromen-2-yl]-methanoyl}-amino)-phenyl]-piperazine-1-carboxylic acid cyclopentylamide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid {4-[4-(1-pyrrolidin-1-yl-methanoyl)-piperazin-1-yl]-phenyl}-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid {4-[4-
- 10 (propane-2-sulfonyl)-piperazin-1-yl]-phenyl}-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid {4-[4-(2-methyl-propanoyl)-piperazin-1-yl]-phenyl}-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid {4-[4-(1-morpholin-4-yl-methanoyl)-piperazin-1-yl]-phenyl}-amide;
- 15 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-morpholin-4-yl-phenyl)-amide;
- 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-methanesulfonyl-piperazin-1-yl)-phenyl]-amide;
- 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-acetyl-
- 20 piperazin-1-yl)-phenyl]-amide;
- 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-chloro-4-morpholin-4-yl-phenyl)-amide;
- 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-fluoro-4-morpholin-4-yl-phenyl)-amide;
- 25 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-cyano-4-morpholin-4-yl-phenyl)-amide;
- 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(1-morpholin-4-yl-methanoyl)-phenyl]-amide;
- 6-Methyl-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-morpholin-4-
- 30 yl-phenyl)-amide;
- 6-Methyl-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(1-morpholin-4-yl-methanoyl)-phenyl]-amide;

- 6-Methyl-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-fluoro-4-morpholin-4-yl-phenyl)-amide;
- 6-Chloro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-morpholin-4-yl-phenyl)-amide;
- 5 5-Methyl-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-morpholin-4-yl-phenyl)-amide;
- 5-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-morpholin-4-yl-phenyl)-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid {4-[4-(3-hydroxy-propanoyl)-piperazin-1-yl]-phenyl}-amide;
- 10 4-[4-({1-[6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-yl]-methanoyl}-amino)-phenyl]-piperazine-1-carboxylic acid *tert*-butyl ester;
- 4-[4-({1-[6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-piperazin-1-yl-phenyl)-amide;
- 15 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-ethane sulfonyl-piperazin-1-yl)-phenyl]-amide;
- 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-propionyl-piperazin-1-yl)-phenyl]-amide; and
- 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid {4-[4-(3-hydroxy-propanoyl)-piperazin-1-yl]-phenyl}-amide;
- 20 or a pharmaceutically acceptable salt thereof.

2. A compound selected from: 8-(4-methyl-1-piperazinyl)-*N*-[4-(4-morpholinyl)phenyl]-4-oxo-4H-chromene-2-carboxamide;
- 25 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-morpholin-4-yl-phenyl)-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-propionyl-piperazin-1-yl)-phenyl]-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-ethane sulfonyl-piperazin-1-yl)-phenyl]-amide;
- 30 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-acetyl-piperazin-1-yl)-phenyl]-amide;

6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-ethanesulfonyl-piperazin-1-yl)-phenyl]-amide; and

6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-propionyl-piperazin-1-yl)-phenyl]-amide;

5 or a pharmaceutically acceptable salt thereof.

3. 8-(4-methyl-1-piperazinyl)-*N*-[4-(4-morpholinyl)phenyl]-4-oxo-4*H*-chromene-2-carboxamide; or a pharmaceutically acceptable salt thereof.

10 4. 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-morpholin-4-yl-phenyl)-amide; or a pharmaceutically acceptable salt thereof.

5. 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-propionyl-piperazin-1-yl)-phenyl]-amide; or a pharmaceutically acceptable salt thereof.

15

6. 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-ethane sulfonyl-piperazin-1-yl)-phenyl]-amide; or a pharmaceutically acceptable salt thereof.

7. 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-acetyl-piperazin-1-yl)-phenyl]-amide; or a pharmaceutically acceptable salt thereof.

20

8. 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-ethanesulfonyl-piperazin-1-yl)-phenyl]-amide; or a pharmaceutically acceptable salt thereof.

25 9. 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-propionyl-piperazin-1-yl)-phenyl]-amide; or a pharmaceutically acceptable salt thereof.